

Amended Claims With Mark-ups to Show Changes Made

7. (Amended) A cooling system for a gantry having a linear motor, comprising:
an x-y gantry;
a [temperature sensor configured to be attached to the] linear motor of the gantry
comprising a temperature sensor configured to [and] produce a linear motor temperature signal;
a processor configured to receive the linear motor temperature signal and produce
a first control signal in accordance with a difference between a sensed temperature of the linear
motor and a prescribed value; and
a first cooling device configured to cool the linear motor in accordance with the
first control signal.
17. (Amended) A cooling system for a gantry having a linear motor, comprising:
an x-y gantry;
a [temperature sensor configured to be attached to the] linear motor of the gantry
comprising a temperature sensor configured to [and] produce a linear motor temperature signal;
a processor configured to receive the linear motor temperature signal and produce
a cooling control signal and a driver control signal in accordance with a difference between the
linear motor temperature signal and a predetermined value;
a cooling device configured to cool the linear motor in accordance with the
cooling control signal; and

a motor driver configured to control movements of the linear motor in accordance with the driver control signal.

23. (Amended) A method of cooling a linear motor of a gantry [having a linear motor], comprising:

measuring a temperature of the linear motor of the gantry;

comparing the temperature of the linear motor with a predetermined value; and

activating a cooling device configured to cool the linear motor if the temperature of the linear motor is greater than the predetermined value.